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The paragraph beginning at page 12, line 18 has been amended to read as follows:

Still other methods for insertion of a single chromosome may be employed in the practice of invention methods. Thus, in another embodiment of the present invention, there are provided methods for the rapid introduction of single chromosomes into eukaryotic cells, comprising contacting an encapsulated single chromosome with a cell, substantially simultaneously with the application of an electric pulse, under conditions sufficient to cause fusion of the encapsulated chromosome with the cell. The chromosome is preferably encapsulated in a liposome or micelle prior to being contacted with the cell and the cell's being subjected to an electroporation-causing electric pulse.

### **In The Claims**

Claim 22 has been canceled without prejudice.

Claim 21 has been rewritten to read as follows:

21. (Amended) A method for the ex vivo introduction of at least one chromosome into a eukaryotic cell, wherein said cell is not a plant cell, said method comprising contacting at least one chromosome ex vivo substantially simultaneously with the application of an electric pulse to the cell under conditions sufficient to cause fusion of said at least one chromosome and said cell, wherein the at least one chromosome is a gene-bearing DNA/protein complex, a natural human